CMS Simulation (LHE) 13 TeV 0.045 Fraction of events / 1 GeV  $pp \rightarrow h \rightarrow 2n_{_{\scriptstyle 1}} \rightarrow 2n_{_{\scriptstyle D}} + 2~\gamma_{_{\scriptstyle D}} \rightarrow 2n_{_{\scriptstyle D}} + 4\mu$  $m_h^{} = 125 \; \text{GeV}, \; m_{_{D_1}^{}}^{} = 10 \; \text{GeV}, \; m_{_{D_2}^{}}^{} = 1 \; \text{GeV}$ 0.04  $m_{\gamma_0} = 0.3 \text{ GeV}, c\tau_{\gamma_0} = 0.5 \text{ mm}$ 0.035 1st n<sub>D</sub> (leading p<sub>+</sub>)  $-2nd n_D$ 0.03 0.025 0.02 0.015 0.01 0.005 20 40 60 80 100 120 of n [GeV]